SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

BDE 47

Cat. No.: HY-W762011

CAS No.: 5436-43-1

Molecular Formula: $C_{12}H_6Br_4O$

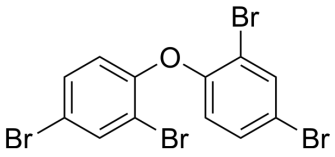
Molecular Weight: 485.79

Target: Apoptosis; Reactive Oxygen Species; JNK; Oxidative Phosphorylation

Pathway: Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; MAPK/ERK Pathway

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (411.70 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.0585 mL	10.2925 mL	20.5850 mL
	5 mM	0.4117 mL	2.0585 mL	4.1170 mL
	10 mM	0.2059 mL	1.0293 mL	2.0585 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BDE 47 targets mitochondria, inhibits mitochondrial oxidative phosphorylation (OXPHOS), decreases mitochondrial membrane potential (MMP) and induces apoptosis in embryonic cell. BDE 47 induces the generation of ROS, and activates the JNK signaling pathway. BDE 47 exhibits embryonic developmental toxicity in zebrafish[1].

REFERENCES

[1]. Zhuang J, et al., BDE-47 induced apoptosis in zebrafish embryos through mitochondrial ROS-mediated JNK signaling. Chemosphere. 2020 Nov;258:127385.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA